

V1-2

VALVTECHNOLOGIES

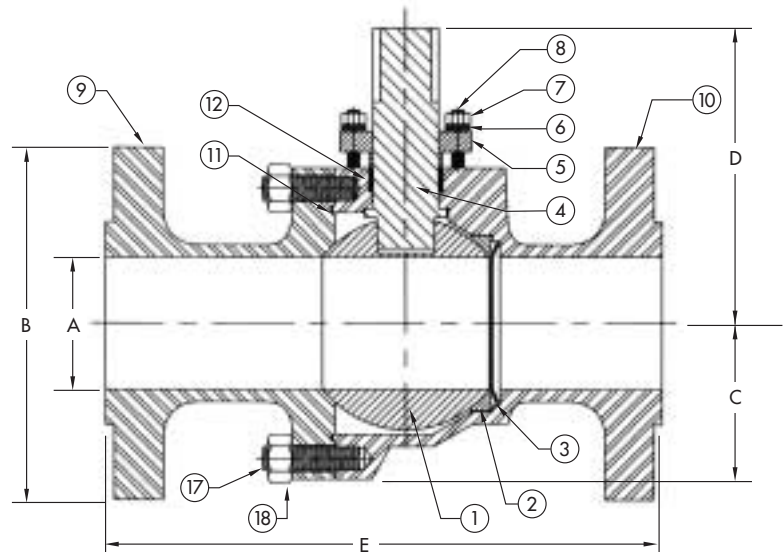


Flanged Ball Valves ANSI 150-600 1/2" - 36"

BILLS OF MATERIAL

ITEM	DESCRIPTION	(MODEL NO. B** C6-RF-RP or FP)	(MODEL NO. B** 22-RF-RP or FP)	QTY.
		CARBON STEEL STD. TRIM	316 STAINLESS STEEL STD. TRIM	
1	BALL	4130/RAM31	316 S.S./RAM31	1
2	UPSTREAM SEAT	4130/H.F.	A182-F316/H.F.	1
3	BELLEVILLE SPRING	17-4ph	17-4ph	1
4	STEM	4130/H.F.	316 S.S./H.F.	1
5	GLAND	4130/H.F.	316 S.S./H.F.	1
6	GLAND LOAD SPRING	302 S.S.	302 S.S.	24
7	GLAND NUT	A194 Gr. 8M	A194 Gr. 8M	4
8	GLAND STUD	A193 Gr. B8M	A193 Gr. B8M	4
9	END CAP	A216-WCB/RAM31	A351 GR CF8M/RAM31	1
10	BODY	A216-WCB	A351 GR CF8M	1
11	BODY GASKET	*GRAFOIL	*GRAFOIL	1
12	GLAND PACKING	GRAFOIL/316 S.S.	GRAFOIL/316 S.S.	3
17	BODY STUD	A193 Gr. B7	A193 Gr. B8M	8
18	BODY NUT	A194 Gr. 2H	A194 Gr. 8M	8

*For ball sizes below 3", the body gasket is a pressure seal gasket.
**B3 = 150#, B5 = 300#, B6 = 600# RP = Red. Port; FP = Full Port



FULL PORT DIMENSIONS (ANSI 150/300/600)

VALVE SIZE PRESSURE CLASS	A			B			C			D			E(RF)			STEM DIA ALL CLASSES	APPROXIMATE WEIGHTS			C _v ALL CLASSES
	150	300	600	150	300	600	150	300	600	150	300	600	150	300	600		150	300	600	
1/2	0.63	0.63	0.63	3.50	3.75	3.75	1.25	1.25	1.25	2.00	2.00	2.00	4.25	5.50	6.50	0.50	8	10	14	28
3/4	0.63	0.63	0.63	3.88	4.62	4.62	1.25	1.25	1.25	2.00	2.00	2.00	4.62	6.00	7.50	0.50	9	12	19	26
1	1.06	1.06	1.06	4.25	4.88	4.88	1.88	1.88	1.88	2.90	2.90	2.90	5.00	6.50	8.50	0.75	14	19	25	102
1-1/2	1.06	1.06	1.06	5.00	6.12	6.12	1.88	1.88	1.88	2.90	2.90	2.90	6.50	7.50	9.50	0.75	17	22	30	90
2	2.13	2.13	2.13	6.00	6.50	6.50	3.38	3.38	3.38	5.00	5.00	5.00	7.00	8.50	11.50	1.00	28	31	40	535
3	3.06	3.06	3.06	7.50	8.25	8.25	4.00	4.00	4.00	7.25	7.25	7.25	8.00	11.12	14.00	1.50	95	110	195	1300
4	4.06	4.06	4.06	9.00	10.00	10.75	4.50	4.50	4.50	9.00	9.00	9.00	12.00	17.00	20.00	2.00	140	170	280	2575
6	6.06	6.06	6.06	11.00	12.50	14.00	6.00	6.00	6.50	12.80	12.80	12.80	15.50	15.88	22.00	2.50	410	450	670	5555
8	8.06	8.06	8.06	13.50	15.00	16.50	8.00	8.00	8.50	17.50	17.50	17.50	18.00	19.75	26.00	3.50	690	770	1050	10,840
10	10.06	10.06	10.06	16.00	17.50	20.00	10.30	10.30	10.30	19.43	19.43	19.43	21.00	22.38	31.00	4.00	1060	1150	1840	17,825
12	12.06	12.06	12.06	19.00	20.50	22.00	12.50	12.50	13.00	22.00	22.00	22.00	24.00	25.50	33.00	5.00	1840	1980	2650	26,745
14	12.06	12.06	12.06	21.00	23.00	23.75	12.50	12.50	13.00	22.00	22.00	22.00	27.00	30.00	35.00	5.00	2180	2140	2910	25,215
16	15.25	15.25	15.25	23.50	25.50	27.00	14.50	14.50	15.25	30.50	30.50	30.50	30.00	33.00	39.00	7.00	3350	3500	4800	44,025

Note: Cv values are based upon Class 150 valves with a Sch. 40 Pipe ID. Consult factory for other configurations.

REDUCED PORT DIMENSIONS (ANSI 150/300/600)

VALVE SIZE PRESSURE CLASS	A			B			C			D			E(RF)			STEM DIA ALL CLASSES	APPROXIMATE WEIGHTS			C _v ALL CLASSES
	150	300	600	150	300	600	150	300	600	150	300	600	150	300	600		150	300	600	
1	0.63	0.63	0.63	4.25	4.88	4.88	1.25	1.25	1.25	2.00	2.00	2.00	5.00	6.50	8.50	0.50	10	14	22	38
2	1.50	1.50	1.50	6.00	6.50	6.50	2.13	2.13	2.13	3.75	3.75	3.75	7.00	8.50	11.50	0.75	25	29	40	220
3	2.13	2.13	2.13	7.50	8.25	8.25	3.38	3.38	3.38	5.00	5.00	5.00	8.00	11.12	14.00	1.00	35	41	65	500
4	3.06	3.06	3.06	9.00	10.00	10.75	4.00	4.00	4.00	7.25	7.25	7.25	9.00	12.00	17.00	1.50	100	125	140	1,220
6	4.06	4.06	4.06	11.00	12.50	14.00	4.50	4.50	4.50	9.00	9.00	9.00	10.50	15.88	22.00	2.00	180	215	255	1,950
8	5.13	6.06	6.06	13.50	15.00	16.50	6.00	6.50	6.50	11.17	12.80	12.80	11.50	19.75	26.00	2.50	360	610	760	4,165
10	7.13	8.06	8.06	16.00	17.50	20.00	7.13	8.00	8.50	13.50	17.50	17.50	13.00	22.38	31.00	3.50*	480	1160	1490	9,245
12	8.06	10.06	10.06	19.00	20.50	22.00	8.00	10.30	10.30	19.43	19.43	19.43	14.00	25.50	33.00	4.00*	890	1790	2450	12,230
14	10.06	10.06	10.06	21.00	23.00	23.75	10.30	10.30	10.30	19.43	19.43	19.43	15.00	30.00	35.00	4.00	1410	2300	2950	21,130
16	12.06	12.06	12.06	23.50	25.50	27.00	12.50	13.00	12.50	22.00	22.00	22.00	16.00	33.00	39.00	5.00*	1740	2550	3300	20,460

Note: Cv values are based upon Class 150 valves with a Sch. 40 Pipe ID. Consult factory for other configurations.

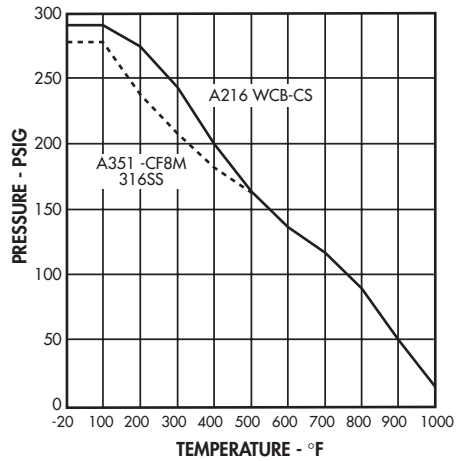
AVAILABLE OPTIONS:

- Bi-Directional Sealing
- Control Trim
- Special End Connections
- Special Hard Coatings
- Various Materials of Construction
- Sizes up to 36"
- Elevated Temperature Options
- Wafer Style
- Forged Steel Construction

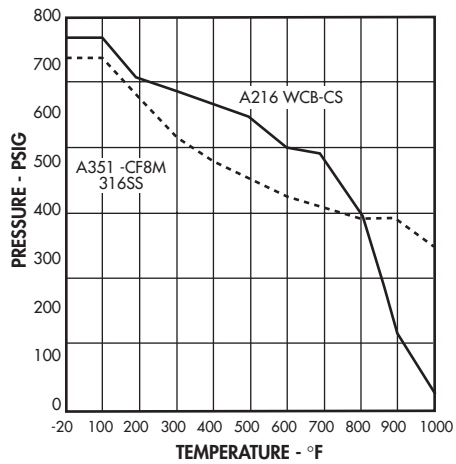
Integral Seat, Zero Leakage, Severe Service Metal Seated Ball Valves

V1-2 PRESSURE - TEMPERATURE RATINGS

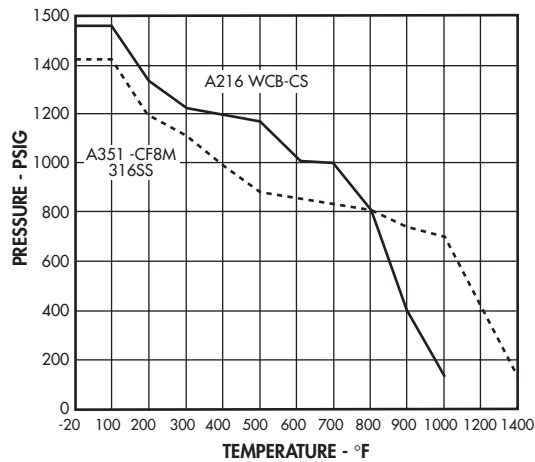
ANSI 150



ANSI 300



ANSI 600



Pressure-Temperature ratings are in accordance with ASME/ANSI B16.34 - 1996



ASME International